植 物 分 类 学 报 31(2): 176 — 179 (1993)
Acta Phytotaxonomica Sinica

卫矛属二新种及二种名订正

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TWO NEW SPECIES AND RIVISION OF TWO SPECIFIC NAMES OF *EUONYMUS*

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Abstract In this paper, two new species of *Euonymus* are described from China. They are *Euonymus jinfoshanensis* Z. M. Gu and *Euonymus xylocarpus* C. Y. Cheng et Z. M. Gu. And the specific names of two species are revised.

Key words *Euonymus*; *E. jinfoshanensis*; *E. xylocarpus*; *E. chuii*; *E. nitidus*
关键词 金佛山卫矛; 木果卫矛; 宝兴卫矛; 中华卫矛

金佛山卫矛 新种 图 1: 1 — 3

Euonymus jinfoshanensis Z. M. Gu, sp. nov.

Species affinis *E. bockii* Loes., sed foliis angustioribus minoribus textura tenuioribus, nervis lateralibus peduncuilsque gracilibus, petalis majoribus albis differt.

Frutex scandens, radicellis adventitiis, gemmis anguste ovoideis, 2 — 7 mm longis, ramulis junioribus quadrangulatis, sparsim verruculosis. Folia opposita, sempervirentia, chartacea, angustato-ovata, -elliptico-ovata vel sublanceolata, 3 — 8 cm longa, 1.5 — 3 cm lata, apice acuta usque acuminata, basi cuneata usque late cuneata, margine remote serrulata, nervis lateralibus 4 — 6 tenuibus, supra prominulis, subtus vix conspicuis, venulis utrinque obscuris, petiolis brevibus tenuibus 2 — 5 mm longis. Dichasia 2-dichotoma vel tantum 3-flora, pedunculis gracilibus 1 — 2.5 cm longis. Flores 4-meri, albi, sepalis semiorbicularibus, margine denticulato-ciliatis, petalis late ovatis vel suborbicularibus, 4.5 — 6.5 mm longis, disco subrotundato carnoso. Stamina ad marginem disci inserta, filamentis subulatis brevibus vix 1 mm longis. Ovarium depresso-globosum in disco semi-immersum, 4-loculare, ovulis 2 in quoque loculo collateralibus pendulis; stigma capitatum sessile. Capsula depresso-globosa, leviter 4-lobata, 7 – 11 mm diam. Sermina 1 — 2 in quoque loculo, arillis aurantiacis toto inclusa.

1990. 07. 02 收稿。

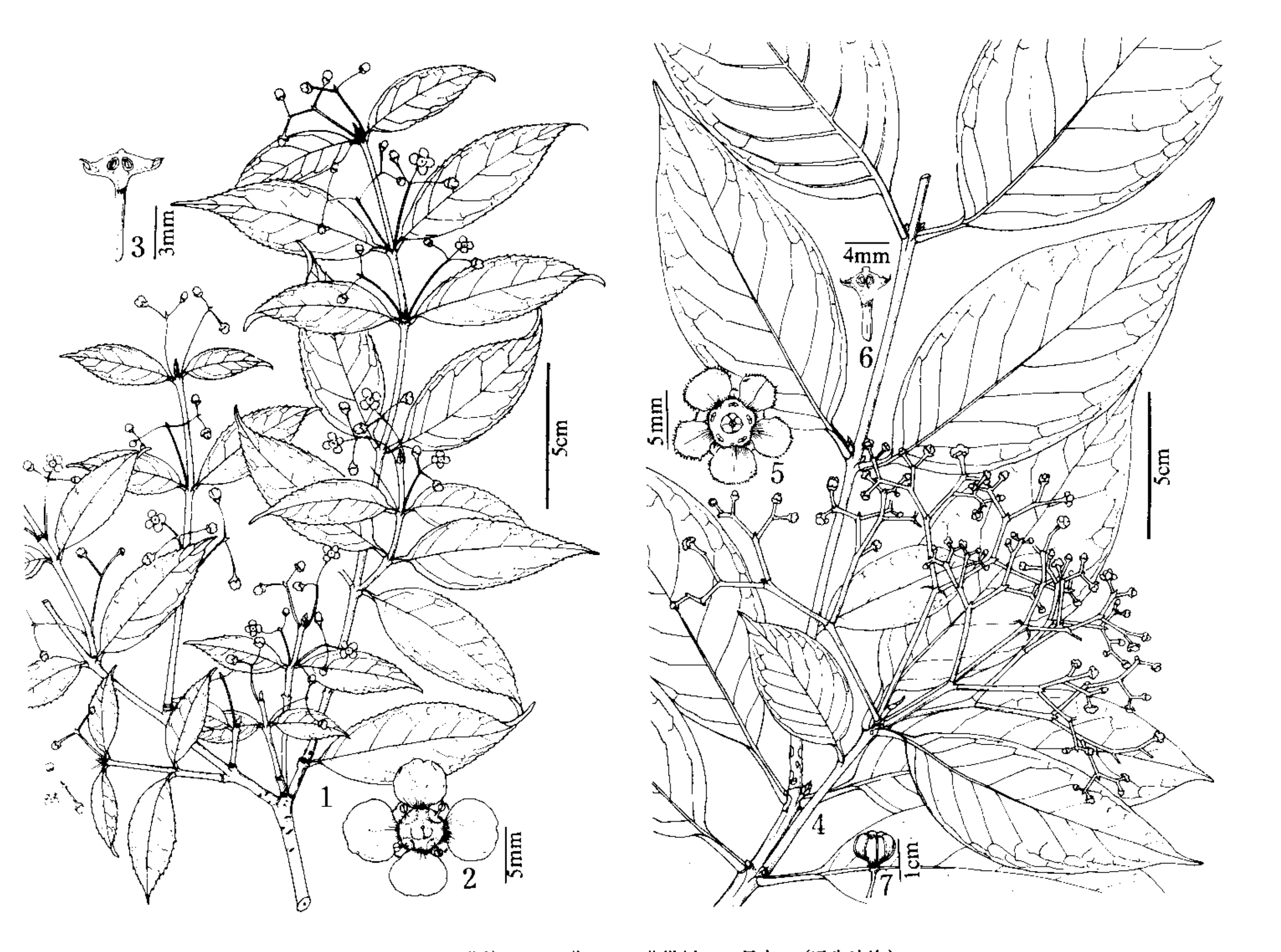


图 1　1—3. 金佛山卫矛；4—7. 木果卫矛。 1,4. 花枝；2，5. 花；3,6. 花纵剖；7. 果实。（冯先洁绘）

Fig. 1　1—3. *Euonymus jinfoshanensis*; 4—7. *E. xylocarpus*. 1,4. flowering branch; 2,5. flower; 3,6. longitudinal section of flower; 7. fruit.

Sichuan(四川): Nanchuan(南川), Mount Jinfo(金佛山), alt. 1200 m, in thickets, scrambling on rocks or on the ground, 1984. 07. 04, Z. M. Gu(顾哲明) 84405(Type PEM).

本种与南川卫矛 *E. bockii Loes.* 相近，但叶较窄小，较薄，侧脉纤细，总花梗纤细，花瓣较大，白色而易于区别。

木果卫矛 新种 图1: 4—7

Euonymus xylocarpus C. Y. Cheng et Z. M. Gu, sp. nov.

Species affinis *E. attenuatus* Wall., sed foliis latioribus apice acutis vel breve acuminatis, cymis 4—6-dichotomis, floribus minoribus, petalis 3.5—4 mm longis differt.

Arbor sempervirens, 7—15 m alta. Folia opposita coriacea oblonga, oblongo-elliptica vel anguste ovata, raro lanceolata, 10—26 cm longa, 4—14 cm lata, apice acuta vel breviter acuminata, raro acuminata, basi cunneata raro subrotundata, margine subrevoluta, infra medium integra, tantum a medio sursum remote serrulata, nervis lateralibus utrinque 7—9, supra prominulis, subtus prominentibus, nervulis tantum supra leviter conspicuis, supra viridia, nitida, subtus pallidiora, petiolis crassis 1—2.5 cm longis, supra conspicue canaliculato, stipulis fimbriatis caducis. Dichasia 5—15 ex apicibus ramulorum egresa, 4—6-dichotoma, pedunculis crassis 2—7 cm longis, pedicellis 2—3.5 mm longis, bractis fimbriatis. Flores numerosi 5-meri, c. 10 mm diam., albi, sepalis inaequilongis, margine dense denticulatis, petalis 5 late oblongis usque late obovatis, 3.5—4 mm longis, margine breve fimbriatis, disco carnoso 5-lobato. Stamina ad marginem disci inserta, antheris late reniformis vix 1 mm longis, sessilis. Ovarium depresso-globosum in disco semi-immersum, 5-loculare, ovulis 2 in quoque loculo ad fundo ovarii collateralibus, oblique erectis. Stigma capitatum sessile. Capsula obconoidea 5-lobata, apice truncata impressa, c. 1 cm diam. Semina 1—2 in quoque loculo, basi arillis inclusa.

Yunnan(云南): Yingjiang(盈江), Jiucheng(旧城), alt. 1200 m, in forests, 1984. 04. 17, G. M. Gu(顾哲明)84039 (Type PEM); same locality, June 27, 1982, Z. S. Ma(马启盛)036.

本种与 *E. attenuatus* Wall. 相近，但叶较阔，先端急尖或短渐尖，花序 4—6 回分枝，花较小，花瓣长3.5—4mm而易于区别。

宝兴卫矛

Euonymus chuii Hand.-Mazz. in Oest. Bot. Zeit. **90**: 121(1941); Blake. in Kew Bull. **1951**: 274 (1951). —— *E. subsessilis* Sprague *var. latifolius* Loes. in Sargent, Pl. Wils. **1**: 489(1913), syn. nov. —— *E. mupinensis* auct. non Loes. et Rehd.: C. Y. Cheng in Icon. Corm. Sin. **2**: 669(1972), Icon. Corm. Sin. Bot. Surv. N. W. China **1**: 25 (1939), quoad. specim. W. P. Fang

3783.—— *E. orgyalis* auct. non W. W. Smith: Blake. in Hook. Icon. Pl. 36, t. 3539 (1955), quoad. specim. Wilson 1216, W. P. Fang 3783.

分布四川。生海拔 1000 — 3000m 林下阴湿处，攀援于树干或匍匐岩石上生长。

本种植物小枝平滑，总花梗纤细，小花梗圆柱形，平滑，花紫红色，果实具疏刺突等特征显著。本种曾被误定为 *Euonymus mupinensis* Loes. et Rehd.，但后者小枝具密疣突，总花梗粗壮,小花梗四棱形、具密疣突,花白色，果密被刺，这些主要特征都与 *E. subsessilis* Sprague 完全一致，应为 *E. subsessilis* Sprague 的异名。Loesener 将 Wilson 在四川省瓦山采的 1216 号标本定为 *E. subsessilis* var. latifolius，该标本与本种的性状完全相同。本种植物在花期子房上均可见明显刺突，但果实一般仅具稀疏的刺，少数刺较密，也有的果实几乎平滑无刺，但仔细观察仍可见没有发育的刺突或刺早落后的痕迹。据 Blakelock 记载(Hook. Icon. *Pl.* **36**, *t.* **3539**, 1955)存邱园植物标本馆的 Wilson 1216 号标本的果实平滑无刺，可能就是刺突脱落的现象。他据此将其定为 *E. orgyalis* W. W. Smith，但后者花白色，子房平滑无刺，主要分布云南东南部和广西西部地区，在四川没有分布。

四川：宝兴，海拔 2400m，1936. 06. 26，曲桂龄 2979(主模式，SZ)、3743(副模式)、3921(副模式)；峨眉山，王蜀秀 431，顾哲明 84405；天全，新沟，四川野生经济资源普查队二郎山组 0409，顾哲明 83091；荥经，四川中草药普查队荥经组 78－0865；雅安，雅 72－064；马边，四川中草药普查队马边组 0873；崇庆，四川中草药普查队崇庆组 620。

中华卫矛

Euonymus nitidus Benth. in Hook. Lond. Journ. Bot. **1**: 483 (1842) et Fl. Hongk. 62 (1861); Laws. in Hook. f., Fl. Brit. Ind. **1**: 610 (1875). —— *E. chinensis* Lindl. in Trans. Hort. Soc. 6: 74(1826), non Lour., Fl. Cochinchin. 156 (1790); Blake. in Kew Bull. **1951**: 252 (1951), syn. nov.

过去，国内外学者一直把 *Euonymus chinensis* Lindl. (1826)作为中华卫矛的学名。但 Loureiro (1790)曾用 *Euonymus chinensis* 命名过一植物。他没例举模式，根据其原描述“Caulis herbaceus, longus, cirrhis scandens …Folia cordata, 3-loba, … Bacca …1－locularis”，此植物不是卫矛属植物。E. D. Merrill (A Commentary on Loureiro's Flora Cochinchinensis, p. 38, 1935)考证其为葫芦科植物金瓜 *Gymnopetalum cochinchinense* (Lour.)Kurz (＝*G. chinense* (Lour.)Merr.，中国植物志 **73**(1): 213, 1986)。因 Loureiro 发表在前，因此 Lindley 的 *Euonymus chinensis* 为一后出同名，应废弃而采用最早发表的正确学名 *Euonymus nitidus* Benth. 作为中华卫矛的种名。

广东：乐昌，溪边疏林中，陈少卿 1694；大埔，大帽山，W. T. Tsang 21095；新安，梧桐山，T. M. Tsui 216；增城，南昆山，W. T. Tsang 20367。

海南：崖县，侯宽昭 70370。**江西**：定南，胡启明 2053；安远，胡启明 2533；瑞金，胡启明 4027。**香港**：Hwang Tsao Kong，蒋英 0184。